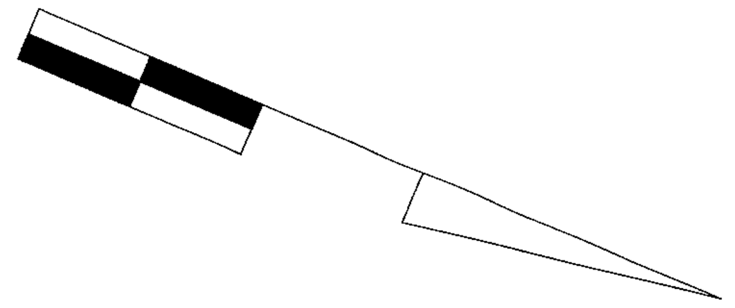
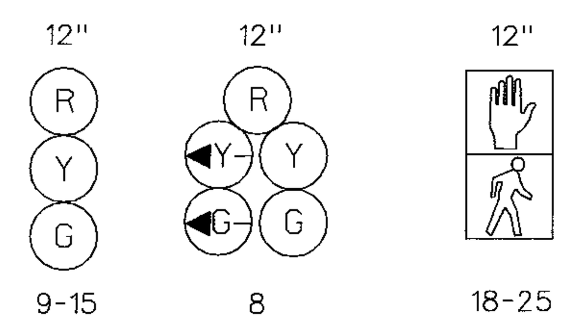
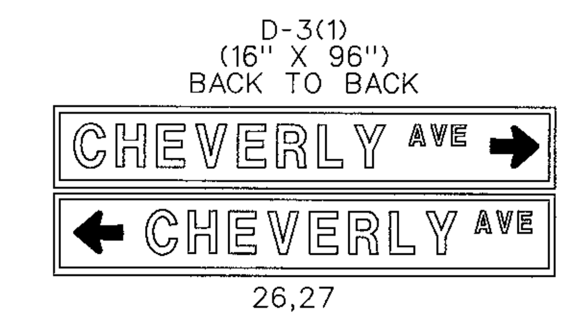


MD 459 IS ASSUMED TO RUN
IN A NORTH/SOUTH DIRECTION

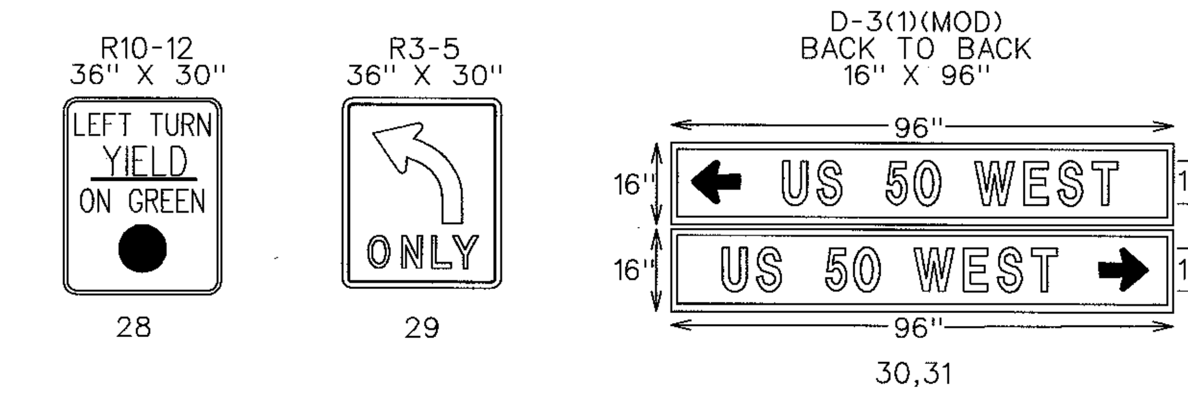
EXISTING SIGNALS

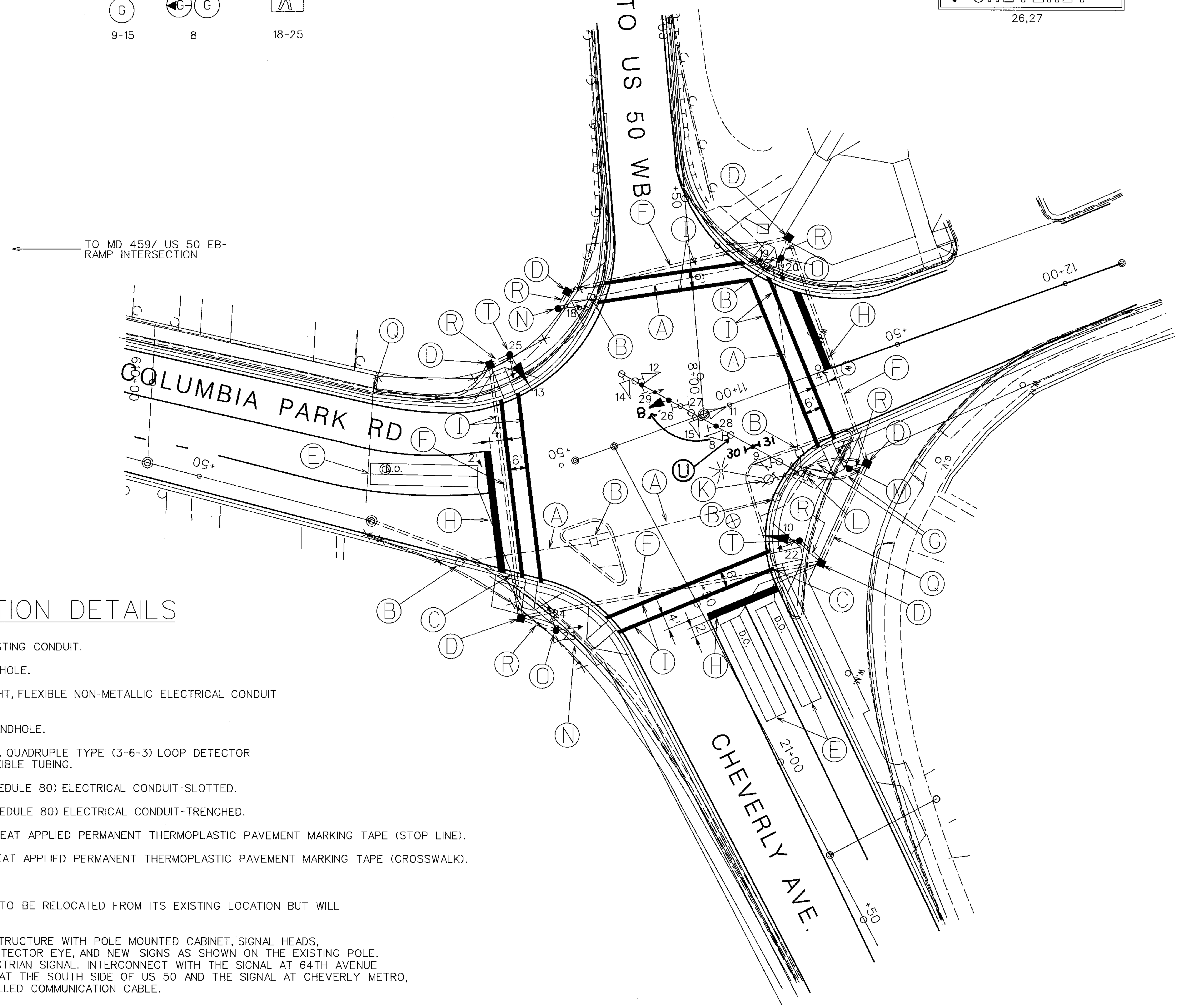


EXISTING SIGNS

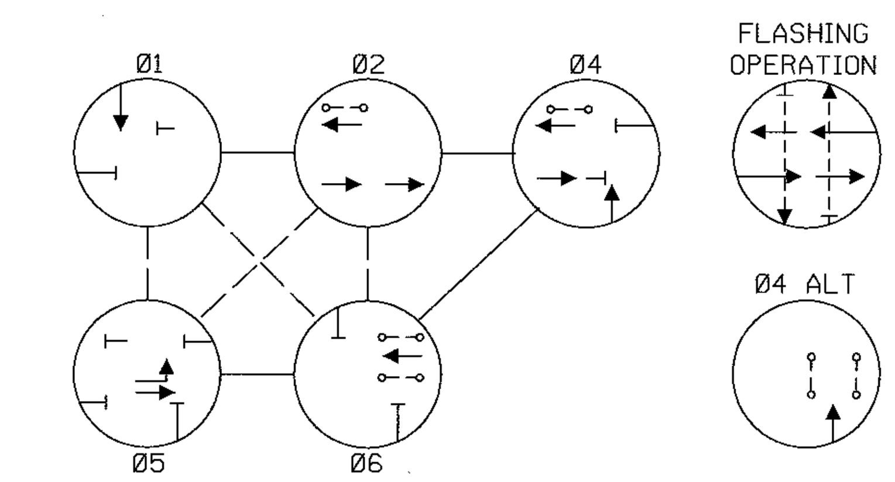


PROPOSED SIGNS





NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE SHALL OPERATE CONCURRENTLY.
3. MOVEMENTS SHOWN ON THE LEFT SIDE OF THE PHASING CIRCLE REPRESENT THE INTERSECTION OF THE ROUTE 5Ø EASTBOUND OFF-RAMP AND COLUMBIA PARK ROAD, WHILE THE MOVEMENTS SHOWN ON THE RIGHT REPRESENT THE INTERSECTION OF COLUMBIA PARK ROAD AND CHEVERLY AVENUE.

GENERAL NOTE

1. ALL UNDERGROUND UTILITIES ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCIEVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE OPPROPRIATE PROJECT ENGINEER.

CONSTRUCTION DETAILS

A. CAP AND ABANDON EXISTING CONDUIT.

B. REMOVE EXISTING HANDHOLE.

C. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR SLEEVE).

D. INSTALL ELECTRICAL HANDHOLE.

E. INSTALL 6 FT. X 30 FT. QUADRUPLE TYPE (3-6-3) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.

F. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT-SLOTTED.

G. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT-TRENCHED.

H. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).

I. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING TAPE (CROSSWALK).

J. USE EXISTING CONDUIT.

K. PEPCO POLE *823393 TO BE RELOCATED FROM ITS EXISTING LOCATION BUT WILL REMAIN POWER SOURCE.

L. USE EXISTING SIGNAL STRUCTURE WITH POLE MOUNTED CABINET, SIGNAL HEADS, AND SIGNS. OPTICOM DETECTOR EYE, AND NEW SIGNS AS SHOWN ON THE EXISTING POLE. REMOVE EXISTING PEDESTRIAN SIGNAL. INTERCONNECT WITH THE SIGNAL AT 64TH AVENUE THROUGH THE SIGNALS AT THE SOUTH SIDE OF US 50 AND THE SIGNAL AT CHEVERLY METRO, USING 12 PAIR JELLY-FILLED COMMUNICATION CABLE.

M. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-3C SIGN (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND.)

N. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND.)

O. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH 2-WAY PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3C SIGN (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND.)

P. PROPOSED INTERCONNECT TO 64TH AVENUE THROUGH US 50 RAMP SIGNAL.

Q. FOR CONDUIT DETAIL ALONG THE BRIDGE, REFER TO BRIDGE PLANS.

R. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

S. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED

T. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH TRAFFIC SIGNAL, PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3C SIGN (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND.)

UTILITY LEGEND	
T —— T	TELEPHONE CABLES
G —— G	GAS MAIN
W —— W	WATER MAIN
S —— S	SEWER MAIN
E —— E	ELECTRIC CABLES
A —— A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN
GEOMETRIC LEGEND	
- - - - -	EXISTING GEOMETRICS
————	PROPOSED GEOMETRICS

DANIEL CONSULTANTS, INCORPORATED
CONSULTING ENGINEERS • COLUMBIA, MARYLAND

REVISIONS		
(A)	RECONSTRUCT TRAFFIC SIGNAL W/ GEO. IMPROVEMENTS SHA *PG1865170	11/99
SRM DCI MAR		

APPROVALS
ORIGINALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ON
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 459 AT US 50 INTERCHANGE SIGNAL PLAN

DRAWN BY:	M. SCHNEIDER	F.A.P. NO.	SEE TITLE SHEET	TS NO. 2091	SHEET NO.
CHECKED BY:	BRUCE THOMPSON	S.H.A. NO.	PG1865170		
SCALE:	1"=20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO.	178 OF 217
DATE:	6/25/85	LOG MILE:			